

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: June 29, 2005

Inspector: Don Ukers

Location: Norwalk Substation Expansion

Storm/

Rain Event: The area received between 0.98" – 1.72" of rain over 6/28-6/29 depending on the reference location as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> - The area surrounding the inlet near the Route 7 ramp has been placed with stone to cover the roots of the exposed planting and to repair the erosion issues here. 6/29/05 - The concrete sidewalk along New Canaan Ave is now complete. Final stabilization or cover will be needed in the area adjacent to the work. 6/29/05 	<ul style="list-style-type: none"> -The area has been stabilized with stone and the roots of the planting have been covered. The area should be monitored to make sure it is now stabilized. 6/29/05 - The sidewalk is completed and some adjacent bare soil areas remain. The soil should be hydroseeded if activities are complete. 6/29/05
Foundation construction	<ul style="list-style-type: none"> - Soil from the stockpile was being used around the GIS building, including some small excavation and backfill areas near the back of the building. 6/22-6/29/05 -Masonry work on the structures in front of the GIS building as well as work within the foundation area is ongoing. 6/15-6/29/05 - Another small area of excavation is ongoing just within the live yard near the sidewalk installation. 6/22-6/29/05 	<ul style="list-style-type: none"> - None at this time. 6/29/05 - All excavation and backfill work is well within the yard and areas are contained, no issues at this time. 6/29/05

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	-The overflow channel was dry at the time of inspection. Although there is good grass growth along the top of the channel, the slopes are still fairly sparse. 6/09-6/29/05.	- Continue to monitor for overall stabilization. Additional seeding should be considered in the areas where bare soil is still visible. 6/09-6/29/05
	- The area surrounding the flared inlet near the Rt 7 ramp has been placed with stone to prevent erosion from the large amounts of stormwater from the ramp as well as portions of the perimeter of the site. 6/29/05 - The exposed root ball of the planting was also covered in soil and stone. 6/29/05 - Topsoil was placed along the new sidewalk. 6/29/05	- Continue to monitor the area to determine if the new efforts have stabilized the inlet . 6/29/05
	- The soil stockpiles remaining on site are being used as backfill adjacent to the GIS building and the topsoil is also available for future use. 6/01-6/29/05	- All stockpiles and excavation areas are well within the site and there are no issues at this time. 6/29/05
Inland Wetland and Watercourse encroachment and mitigation	- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04	-None at this time. Continue to monitor.
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-The tree plantings appear to be doing well. The channel is dry at this time but wetland vegetation was observed growing in the bottom. Some bare areas of soil along the slopes may need reseeding. 6/15-6/29/05	- A survey could be performed to see whether any of the plantings did not survive the winter for replacement purposes but this does not seem to be a problem. 6/29/04
Dewatering	- No dewatering was noted at this time however. 6/29/05	-None at this time. 6/29/05

Areas of Inspection	Observation	Recommended Action
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> - The affected soil associated with last week's leak from the generator trailer had been picked up and disposed of. The problem was not recurring this week. 6/29/05. - A small drip was noted below both the boom truck and an equipment pick up truck. Both areas of soil were picked up prior to the end of the inspection. 6/29/05 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - - Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	- All areas within the adjacent ROW have been backfilled and restored following the 115kV work. The invasive species Japanese Knotweed is well established in the surrounding area 6/29/05	- The knotweed was present in the ROW prior to the work and will likely re-establish in the disturbed area. 6/29/05

Next likely scheduled inspection:

Wednesday, July 6, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Don Ukers

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Date: June 29, 2005

Inspector: Don Ukers

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event The area received between 0.98" – 1.72" of rain over 6/28-6/29 depending on the reference location as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 6/29/05	- None at this time.
Foundation construction	-The remaining work is mostly electrical, connecting and circuiting the new equipment and within the control house. 6/15-6/29/05 -No soil movement is involved and the concrete trench lids have all been closed. A few trenches remain open near the control house. 6/22-6/29/05	- The areas are all contained at this time and there is little ongoing work that involves soil disturbance. 4/6-6/29/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The working areas of the site are fairly dry and the perimeter stone berm continues to work well. 6/29/05	-Nothing at this time. 6/29/05
	- There is no silt fence in place at this time, however the stone perimeter berm is in place and contains the yard well. 6/29/05	-All stockpiles are well-contained and the berm is working effectively at this time. 6/29/05

Areas of Inspection	Observation	Recommended Action
	- A majority of the soil has been removed to appropriate off-site locations but some will remain on an as needed basis for the remainder of construction. They are not covered in plastic but are well within the site. 3/2-6/29/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-6/29/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 6/29/05	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 6/29/05
State species of concern, threatened and endangered species	-The sand pile with the potential nest has been surrounded with safety fence and does not need to be moved or disturbed for several months. 6/15-6/29/05 - A spotted turtle (<i>Clemmys guttata</i>) was also located within the substation and moved outside the fence. This species is not listed as special concern in the state of CT. 6/29/05	- Everyone at the substation also remains aware and will move machinery carefully in case the individual turtle returns. We will continue to monitor the nest, especially in the late summer. 6/15-6/29/05.
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- No dewatering was noted at the time of inspection. 6/29/05	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- No drips or leaks were noted on site at this time. 6/29/05	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or

Areas of Inspection	Observation	Recommended Action
		stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations		

Next likely scheduled inspection:

Wednesday, July 6, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Don Ukers



Norwalk Substation- Completed concrete sidewalk in front of the site on New Canaan Ave. 6/29/05



Masonry work continuing in front of the GIS building. 6/29/05



View of the overflow channel which is dry at this time. 6/29/05



Stone has been installed around the inlet near the Rt. 7 ramp to repair the exposed tree roots and the erosion problems. 6/29/05



Plumtree Substation- Connection work continues in the control house. 6/29/05



A spotted turtle (*Clemmys guttata*) has now been observed on site. This species is not listed for special concern in the state of Connecticut.